

Datasheet

4x2Pt1000B-AgPd-Cryo

131025

Summary

Dieses Platin-Temperatursensorelement zeichnet sich durch seine Temperaturreichweite aus. Es ist für sehr niedrige Temperaturen ausgelegt.

Dimensions in mm

	L	B	L ₁	H	Ø
	3,9 ± 0,15	1,9 ± 0,2	10 ± 1	1 +0,3 -0,2	0,25 ± 0,02

Technical specifications

Nominal resistance R ₀ at 0°C	Specification	Tolerance	Order Number	Item Number
1000 Ω	DIN EN 60751	F 0,3 (DIN B)	4x2Pt1000B-AgPd-Cryo	131025

Temperature range:	-196 ° C to +150 ° C in continuous operation Validity of tolerance F 0.3: -196 ° C to +150 ° C
Temperature coefficient:	TK = 3850 ppm / K
Connecting wires:	AuPd sheathed wire
Long-term stability:	R ₀ Max drift 0.03% after 1000 h at 150 ° C.
Vibration resistance:	At least 40 g acceleration at 10 to 2000 Hz, depends on installation
Shock resistance:	At least 100 g acceleration with 8ms half sine wave, depends on installation
Environmental conditions:	unprotected only in dry environments
Insulation resistance:	> 10 MΩ at 20 ° C; > 1 MΩ at 500 ° C
Measuring current:	0.1 to 0.3 mA (consider self-heating)
Measuring point:	8 mm from the end of the sensor element body
Packaging:	loose in bag / vacuum packed
Note:	Please refer to our application and installation instructions
RoHS compliant	

Technische Änderungen behalten wir uns vor. Alle technischen Angaben sind Beschaffenheitsangaben und sichern keine Eigenschaften zu.

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